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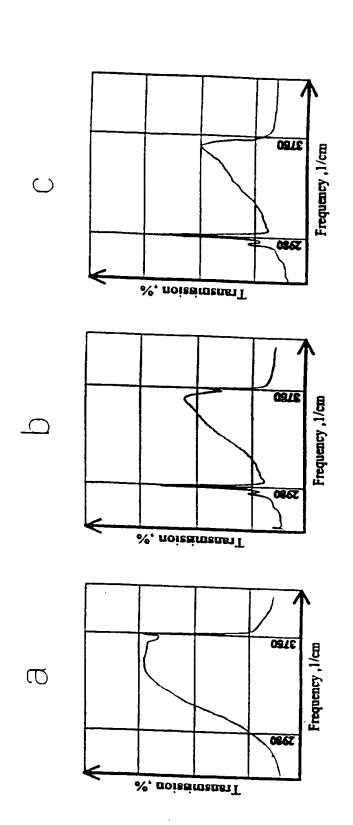
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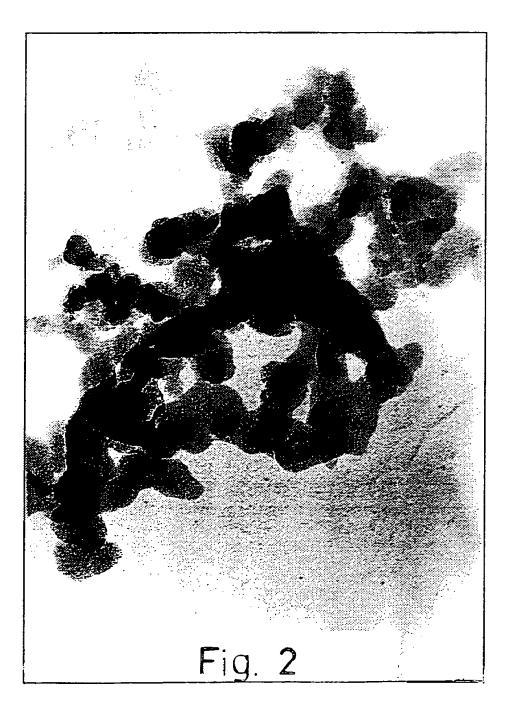
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<u>r</u> .



The number Nsi of boxes of size 1/ n needed to cover the fractal (photo 005239) LB +Si) . The fractal dimension D=1.82

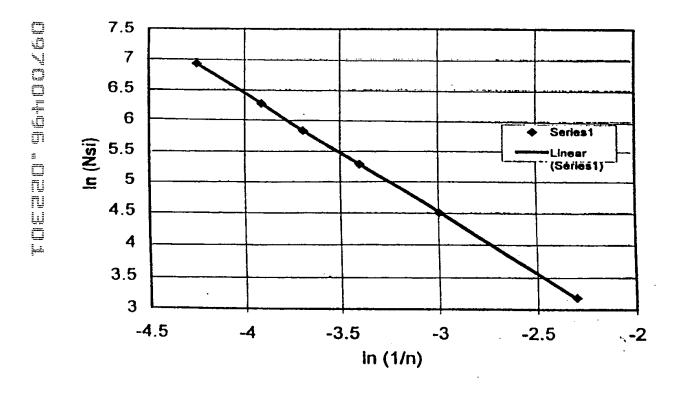
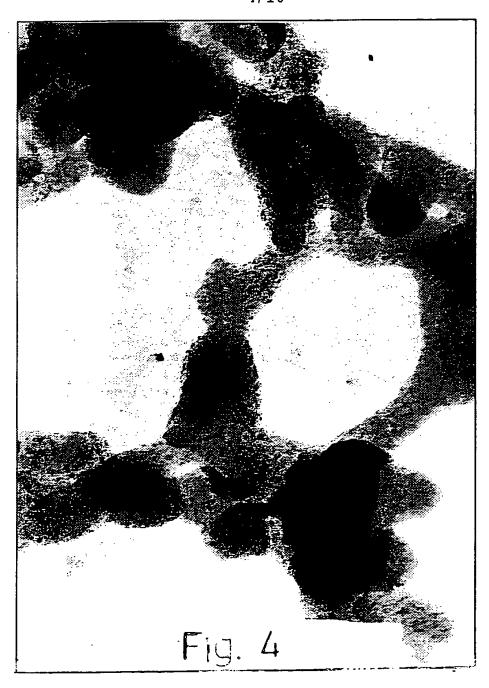


Fig. 3

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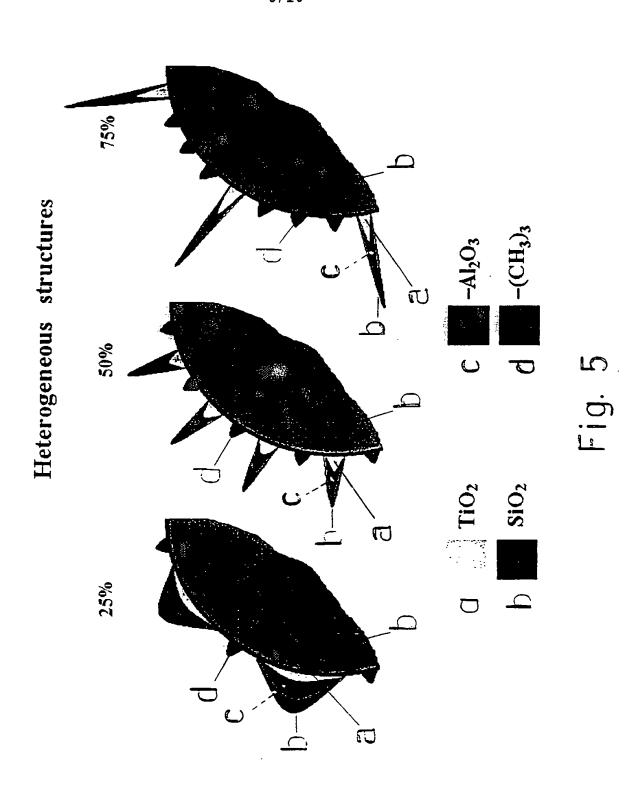






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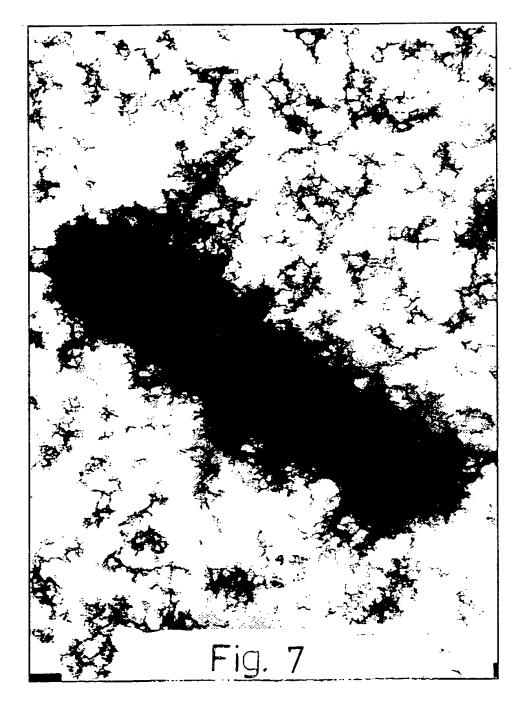
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N	Substance	Mechanism	Application
1	X I	Y 1 - Y 5	Z1-Z5
2	X 2	Y 1 - Y 20	Z1-Z7
3	X 3 X 3'	Y 1 - Y 23 Y 24	Z 1 - Z 7
4	X 4	Y 1 - Y 23; Y 25:	Z1-Z7
5	X 5	Y 27	Z -Z3
6	X 6	Y 1 - Y 23; Y 25; Y 26	Z1-Z7
7	X 7	Y 28	Z 8
8	X 8	Y 1 - Y 20	Z1-Z3
_			
	_		

Fig. 6

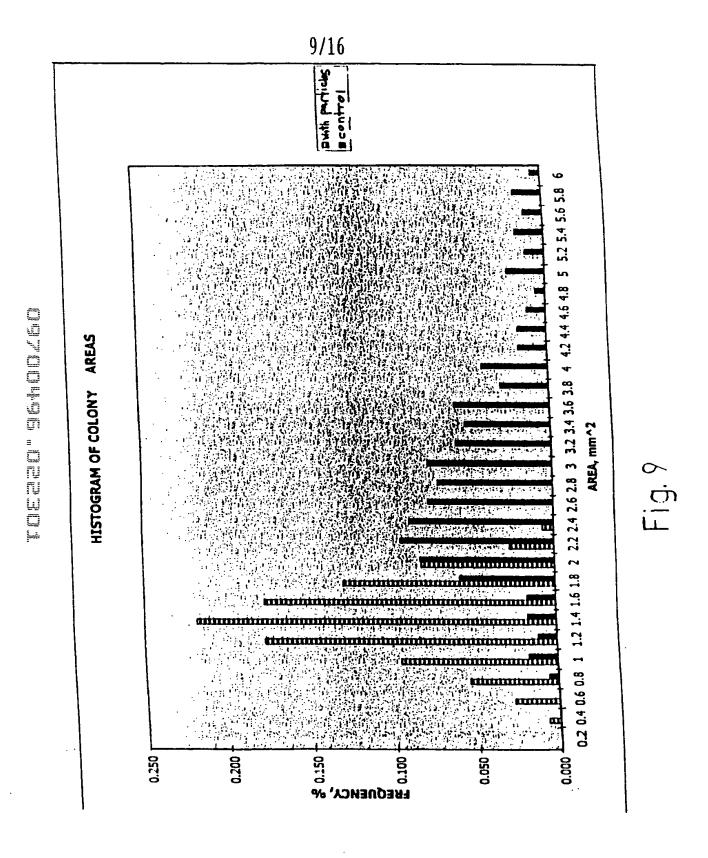


Results from microbiological experiments:

- Particles : SiO₂, Modified SiO₂, Modified SiO₂ + TiO₂, Al₂O₃ - Measured undex : Growth on agar plates in presence of particles - Type of Bacteria: Paenibaciluus A-50

Dorticle Tyme	Treatment			concentration			
בקותרוב זימה		%1	0.5%	0.25%	0.2%	0.1%	<u>0.05%</u>
Control	•	Full Growth	Full Growth	Full Growth	Full Growth	Full Growth	Full Growth
SiO ₂	Inside agar	Full Growth	Full Growth	Full Growth	•	•	•
(X1)	Inside and on	0	0	0	,		•
	Top of agar	•	•	•	0	0	0
Modified	On top of	•	•	,	0	0	0
SiO, and Modified	agar Inside and on	•	1	•	0	0	0
SiO, + TiO,	top of agar						E! Grandh
Al ₂ O ₃	Inside agar			Full Growth	t	Full Growth	run Grown
							•
(X1)	Inside and on			0	•	-	-
	top of agar					1	





SUBSTITUTE SHEET (RULE 26)

b

a

10/16

Influence of particles on the Level of Chlorides in Rats Serum Blood.

	Chloride Level (mmol/l) over time(days) after exposure									
Dose	10 ·	20	30	60	90					
Control	78.1±4.91	91.3±7.68	94.8±8.43	91.3±2.75	98.8±2.75					
100mg/kg	86.5±2.14	92.6±4.55	99.6±5.24	94.0±5.96	105.0±4.38					
330mg/kg	88.0±3.41	94.0±4.68	94.1±5.84	97.7±4.17	105.0±3.93					
1000mg/kg	90.0±0.64	110.4±2.42	122.4±6.20	102.4±4.08	109.2±5.14					

Influence of particles on the Level of B-lipoprotein in Rats Serum Blood.

	ß-lipop	orotein Level (g/l) over time(c	lays) after exp	osure.
Dose	10	20	30	60	90
Control		1	0.52 ± 0.043		1
100mg/kg	0.55 ± 0.97	0.41 ± 0.090	0.42 ± 0.097	0.64 ± 0.150	0.47 ± 0.043
330mg/kg	0.46 ± 0.103	0.43 ± 0.062	0.39 ± 0.118	0.38 ± 0.107	0.43 ±: 0.104
1000mg/kg	0.39 ± 0.043	0.28 ± 0.071	0.32 ± 0.064	0.35 ± 0.054	0.46 ± 0.084

Fig. 10

COLORD SOLOGIA

ALTERATION OF SENSITIVITY TO ANTIBIOTICS WITH PARTICLE TREATMENT

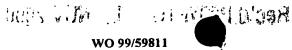
;	11/16	
KANAMICINE	80	100
ERYTHRO- MYCINE	40	100
LEVOMY. CITINE	40	67
TETRACY. CLINE	40	67
GENTAMY. CINE	80	100
STREPTO- MYCINE	09	100
AMPICIL- LIN	09	29
PENICILLIN	20	33
	CONTROL	WITH PRATICLE TERTREN

Fig. 11

TREATMENT OF PURULENT INFLAMMATORY DISEASES

.,	TIERAPY PROLONGATION "6"	HOSPITALIZED. PROLONGATION "6"
	64.4	
 -		
3.0		61.5

Fig. 12





Infection

REGRESS IN CLINICAL MANIFESTATIONS AND NORMALIZATION OF LABOLATORY INDEX ON FIFTH DAY OF INVESTIGATION.

% of patients with regress in symptoms

G: 1	Particle	Tiralment	Standa	rd treatment
Sickness	HEPATITIS A	GASTROENTERITIS %	HEPATITIS A	GASTROENTERITIS %
1. FEVER	89.0	95.0	73.0	75.0
2. SICKNESS. VOMITING	98.0	99.0	62.0	67.0
3. WEAKNESS	90.0	97.0	89.0	78.0
4. DIARRHEA		100.0		81.0
5 FLATULENCE		100.0		53.0
6. ACTIVE ALANINAMINO- TRANSFERASE	51.0		29.0	
7-CITOGRAME OF FAECES		100.0		53.0
8-HYPERBILLI- RUBINEMIA	69.0		52.0	
9-RECURRING CULTUR OF MICROBES	·	8.0		11.0
10- SKIN ITCHING	95.0		30.0	

Fig. 13

Surgery

PARTICLE TREATMENT IMPACT ON THE WOUND MICROFLORE SENSITIVITY TO ANTIBIOTICS

	14 / 16	
KANAMICINE	80	100
TETRACY- LEVOMY- ERYTHRO- CLINE CITINE MYCINE	40	100
LEVOMY- CITINE	40	
TETRACY- CLINE	40	67
GENTAMY- CINE	80	100
STREPTO. MYCINE	09	100
AMPICIL- LIN	09	29
PENICILLIN	20	.33
SENSITIVITY %	Standard wound treatment	Particle Wound Treatment

Fig. 14



Dentology

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Clinical-Laboratory Index Dynamics for Patients with Perodontitis. Treatment by Medical Substances on the particle, surface.

Vā			tance	Sali				noo togra	ınıne, un	its	
group	:	capill (se	lary's	Haemo _l uni		Promon	oeyte:'s	Monoc	læ's	Polymorpho nuclear's	
		Mild Level	Middle Levei	Mild Level	Middle Level	Mild Level	Middle Level	Mild Level	Mild : Level	Mild Level	Middle Level
antibiotic	Before treat	30.85	9.33	0.014	0.13	16.33	14.7	26.3	28.16	57.46	57.7
· ·	After treat	38.94	21.83	0.0000 58	0.04	22.29	21.03	28.59	43.11	51.29	36.8
2 antibiotic +	Before treat	14.3	11.21	0.049	0.13	15.36	10.9	25.91	28.5	58.73	56.6
Urea	After treat	24.3	23.18	0.007	0.09	19.55	27.00	28.2	28.5.	52.3	44.5
3 Furacilline	Before treat	9.24	9.24	0.031	0.12	16.29	10.53	25.35	20.0	59.46	60.4
 ;	After treat	20.11	20.11	0.003	0.06	20.23	17.21	29.11	29.8	51.11	53.0
4 Arocus	Before treat	11.5	11.35	0.023	0.20	13.0	45.83	28.0	20.84	59.0	64.3
calamus	After treat	19.8	22.91	0.007	0.13	19.0	21.06	29.11	26.37	51.89	57.5

Fig. 15

WO 99/59811



09/700496

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Ailment

Scars and keloids Pruritis Senilis Cuprosis Acne vulgaris Scratches and fissures Alopecia

 $\frac{Treatment}{CaF_2}$ Mg BaCo₃ CaS, SiO₂ AgNO₃ Zn

Fig. 16